

^c
693u2d
1921/22

UNIVERSITY OF LOUISVILLE BULLETIN

VOL. XV

MAY, 1921

No. I

COLLEGE OF DENTISTRY

1921-1922



PUBLISHED BY THE UNIVERSITY OF LOUISVILLE

UNIVERSITY OF LOUISVILLE BULLETIN

VOL. XV

MAY, 1921

No. 1

COLLEGE OF DENTISTRY

1921-1922

UNIVERSITY OF ILLINOIS LIBRARY
JUL 13 1921



PUBLISHED BY THE UNIVERSITY OF LOUISVILLE



Digitized by the Internet Archive
in 2013

Departments of the University

The University comprehends the following schools, all of which are open to both men and women:

THE COLLEGE OF ARTS AND SCIENCES,
THE GRADUATE SCHOOL OF ARTS AND SCIENCES,
THE MEDICAL DEPARTMENT,
THE SCHOOL OF PUBLIC HEALTH,
THE LAW DEPARTMENT,
THE DENTAL DEPARTMENT.

1. THE COLLEGE OF ARTS AND SCIENCES*. The College offers over two hundred courses of study in sixteen departments: Ancient Languages, English, German, Romance Languages, Economics, History, Education, Biology, Chemistry, Physics, Mathematics, Philosophy, Technical Courses, Home Economics, Music, and Art.

The undergraduate courses lead to the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Science in Medical Sciences, Bachelor of Science in Dental Sciences, Bachelor of Science in Education, Bachelor of Science in Economics, Bachelor of Science in Sociology, and Bachelor of Science in Chemistry.

The graduate degrees, classical and scientific, require a minimum of one year of work, equivalent to fifteen hours a week from the Bachelor's standing, and consist of the degrees of Master of Arts, and Master of Science.

For information or catalogue address the office of the Registrar, 119 West Broadway, Louisville, Kentucky.

2. THE MEDICAL DEPARTMENT. The Medical Department is a member of the Association of American Medical Colleges. The course of study leads to the degree of M. D. For special information concerning the Department address the Dean, Henry Enos Tuley, M. D., 101 West Chestnut Street, Louisville, Kentucky.

3. THE LAW DEPARTMENT. The Law Department of the University of Louisville has been in successful operation since 1848.

For catalogue address the Secretary, Bernard B. Bailey, Jr., Louisville, Kentucky.

4. THE DENTAL DEPARTMENT. The Dental Department is a member of the National Association of Dental Faculties and of the Institute of Dental College Teachers. The course of study covers four terms of thirty-two weeks each, leading to the degree of D. D. S. For further information concerning the Dental Department address the Dean, H. B. Tileston, M. D., D. D. S., 129 East Broadway, Louisville, Kentucky.

*Including the Graduate School of Arts and Sciences.

5. The School of Public Health is a new department. The work of the school is conducted by the University with the co-operation of the State Board of Health. For special information address the Dean, Arthur T. McCormack, A. M., M. D., State Board of Health Building, Sixth and Main Streets, Louisville, Kentucky.

Students in regular standing in any one department of the University are admitted free to certain instruction given in the other departments, with the exception of exercises carried on in the special laboratories. But no student is admitted to exercises given in any department other than that in which he is enrolled, except with the knowledge and consent of the Dean both of his department and of the department in which the additional instruction is given.

— 1921 —													
JANUARY.							JULY.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	1	..	..	..	..	..	1	2	..
2	3	4	5	6	7	8	3	4	5	6	7	8	9
9	10	11	12	13	14	15	10	11	12	13	14	15	16
16	17	18	19	20	21	22	17	18	19	20	21	22	23
23	24	25	26	27	28	29	24	25	26	27	28	29	30
30	31	..	..	..	..	..	31	..	..	..	..	..	..
FEBRUARY.							AUGUST.						
..	1	2	3	4	5	..	..	1	2	3	4	5	6
6	7	8	9	10	11	12	7	8	9	10	11	12	13
13	14	15	16	17	18	19	14	15	16	17	18	19	20
20	21	22	23	24	25	26	21	22	23	24	25	26	27
27	28	..	..	..	..	..	28	29	30	31	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
MARCH.							SEPTEMBER.						
..	..	1	2	3	4	5	..	..	..	1	2	3	..
6	7	8	9	10	11	12	4	5	6	7	8	9	10
13	14	15	16	17	18	19	11	12	13	14	15	16	17
20	21	22	23	24	25	26	18	19	20	21	22	23	24
27	28	29	30	31	..	..	25	26	27	28	29	30	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
APRIL.							OCTOBER.						
..	..	..	..	..	1	2	..	..	..	..	..	1	..
3	4	5	6	7	8	9	2	3	4	5	6	7	8
10	11	12	13	14	15	16	9	10	11	12	13	14	15
17	18	19	20	21	22	23	16	17	18	19	20	21	22
24	25	26	27	28	29	30	23	24	25	26	27	28	29
..	..	..	..	..	..	..	30	31	..	..	..	..	..
MAY.							NOVEMBER.						
1	2	3	4	5	6	7	..	..	1	2	3	4	5
8	9	10	11	12	13	14	6	7	8	9	10	11	12
15	16	17	18	19	20	21	13	14	15	16	17	18	19
22	23	24	25	26	27	28	20	21	22	23	24	25	26
29	30	31	..	..	..	..	27	28	29	30	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
JUNE.							DECEMBER.						
..	..	..	1	2	3	4	..	..	..	1	2	3	..
5	6	7	8	9	10	11	4	5	6	7	8	9	10
12	13	14	15	16	17	18	11	12	13	14	15	16	17
19	20	21	22	23	24	25	18	19	20	21	22	23	24
26	27	28	29	30	..	..	25	26	27	28	29	30	31
..	..	..	..	..	..	..	..	..	..	..	..	..	..

— 1922 —													
JANUARY.							JULY.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	..	..	..	..	..	1	..
8	9	10	11	12	13	14	2	3	4	5	6	7	8
15	16	17	18	19	20	21	9	10	11	12	13	14	15
22	23	24	25	26	27	28	16	17	18	19	20	21	22
29	30	31	..	..	..	..	23	24	25	26	27	28	29
..	..	..	..	..	..	..	30	31	..	..	..	..	..
FEBRUARY.							AUGUST.						
..	..	1	2	3	4	..	..	..	1	2	3	4	5
5	6	7	8	9	10	11	6	7	8	9	10	11	12
12	13	14	15	16	17	18	13	14	15	16	17	18	19
19	20	21	22	23	24	25	20	21	22	23	24	25	26
26	27	28	..	..	..	..	27	28	29	30	31	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
MARCH.							SEPTEMBER.						
..	..	..	1	2	3	4	..	..	..	1	2	3	..
5	6	7	8	9	10	11	3	4	5	6	7	8	9
12	13	14	15	16	17	18	10	11	12	13	14	15	16
19	20	21	22	23	24	25	17	18	19	20	21	22	23
26	27	28	29	30	31	..	24	25	26	27	28	29	30
..	..	..	..	..	..	..	..	..	..	..	..	..	..
APRIL.							OCTOBER.						
..	..	..	..	..	..	1	..	..	1	2	3	4	5
2	3	4	5	6	7	8	8	9	10	11	12	13	14
9	10	11	12	13	14	15	15	16	17	18	19	20	21
16	17	18	19	20	21	22	22	23	24	25	26	27	28
23	24	25	26	27	28	29	29	30	31	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..
MAY.							NOVEMBER.						
..	1	2	3	4	5	6	..	..	1	2	3	4	..
7	8	9	10	11	12	13	5	6	7	8	9	10	11
14	15	16	17	18	19	20	12	13	14	15	16	17	18
21	22	23	24	25	26	27	19	20	21	22	23	24	25
28	29	30	31	..	..	..	26	27	28	29	30	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
JUNE.							DECEMBER.						
..	..	..	1	2	3	..	..	..	..	1	2	3	..
4	5	6	7	8	9	10	3	4	5	6	7	8	9
11	12	13	14	15	16	17	10	11	12	13	14	15	16
18	19	20	21	22	23	24	17	18	19	20	21	22	23
25	26	27	28	29	30	..	24	25	26	27	28	29	30
..	..	..	..	..	..	..	31	..	..	..	..	..	..

Calendar

Dental Department

1921—

September 1	Thursday.	Clinic opens.
September 5-12		Matriculation and registration.
September 12-17		Rank and entrance examinations.
September 19	Monday.	Regular classes begin.
September 30	Friday.	Registration closes.
November 24-27		Thanksgiving vacation.
Dec. 23-Jan. 2		Christmas vacation.

1922—

January 2	Monday.	Regular classes resumed.
January 16-21	Monday to Saturday.	First Semester examinations.
January 23	Monday.	Second Semester begins.
February 22	Wednesday.	Washington's Birthday. Holiday.
May 22	Monday.	Final examinations begin.
June 4	Sunday.	Baccalaureate Sermon.
June 8	Thursday.	Commencement.

Trustees of the University

A. Y. FORD, President.....1261 South First Street

Term expires March, 1922

OSCAR FENLEY.....1458 South Third Street

MARVIN H. LEWIS.....Weissinger-Gaulbert
Apartments

Term expires March, 1924

HELM BRUCE.....1411 South Third Street

WILLIAM W. DAVIES.....2515 Longest Avenue

Term expires March, 1926

JOHN W. BARR.....Cherokee Drive

T. L. JEFFERSON.....The Seelbach

Term expires March, 1928

B. BERNHEIM.....1416 South Third Street

W. H. BRADBURY.....433 Park Avenue

Term expires March, 1930

CHAS. C. STOLL.....2535 Cherokee Parkway

FRED W. KEISKER.....926 Cherokee Road

Secretary

W. H. BRADBURY

Treasurer

FIDELITY AND COLUMBIA TRUST COMPANY

Assistant Secretary and Treasurer

MARY C. COLLIER

Administration Office

111 West Chestnut Street

Officers of Government and Instruction

Dental Department.

HENRY BRYANT TILESTON, M. D., D. D. S.,

Dean,

Professor of Operative Dentistry and Dental Pathology

Starks Building

WILLIAM MARCUS RANDALL, D. D. S.,

Professor of Prosthetic Dentistry and Technics

1035 S. Second

HARRY BAXTER HOLMES, D. D. S.,

Secretary,

Professor of Materia Medica and Therapeutics

Starks Building

BYRON DARIUS RIVERS, A. M., D. D. S.,

Professor of Oral Hygiene and Dental Embryology

Starks Building

STUART GRAVES, M. D.,

Professor of Pathology and Bacteriology

Pathologist to Louisville City Hospital

101 W. Chestnut

CHARLES BROOKOVER, S. M., Ph. D.,

Professor of Anatomy, Histology and Embryology

101 W. Chestnut

GEORGE A. HENDON, M. D.,

Professor of General and Clinical Surgery

Francis Building

MAX MAURICE EBLE, D. D. S.,

Professor of Practice, Ethics, and History

Starks Building

EDWARD HENRY HUBBUCH, D. D. S.,

Professor of Crown and Bridge Prosthesis

Starks Building

FRANK WENDELL ROUNDS, A. B., D. D. S.,

Professor of Anesthesia and Oral Surgery

Starks Building

HARRY B. TILESTON, JR., D. D. S.,

Professor of Orthodontics

Starks Building

A. W. HOMBERGER, S. M., Ph. D.,

Professor of Chemistry

1723 Eastern Parkway

HEMAN HUMPHREY, A. B., M. D.,

Adjunct Professor of Anatomy

1300 Hepburn

AUSTIN R. MIDDLETON, A. B., Ph. D.,

Professor of Biology

1203 S. First

GEORGE HAYS, M. D.,

Professor of Physiology

101 W. Chestnut

B. M. BRIGMAN, S. M.,

Professor of Technical Drawing

215 E. St. Catherine

ANDREW P. DUSTIN, A. B.,

Associate Professor of English

301 Jefferson, Jeffersonville

JOHN T. O'ROURKE, D. D. S.,

Professor of Metallurgy and Physics

129 E. Broadway

FRANK J. DOUGHERTY, A. B., LL. D.,

Professor of Jurisprudence

Inter-Southern Building

LEROY TILESTON, S. B., D. D. S.,

Associate Professor of Operative Dentistry

Starks Building

E. C. HUME, D. D. S.,

Associate Professor of Anesthesia and Oral Surgery

Francis Building

WILLIAM E. GOEPFER, D. D. S.,

Associate Professor of Prosthetic Dentistry

1336 Bardstown Road

F. C. M. SMITHSON, A. B., S. M.,

Assistant Professor of Chemistry

Y. M. C. A. Building

R. B. POLING, A. B.,
Associate Professor of Anatomy, Histology and Embryology
101 W. Chestnut

J. A. KASPER, M. D.,
Resident Pathologist
Louisville City Hospital

BERYL H. PAIGE, A. M.,
Instructor in Pathology and Bacteriology
2202 W. Jefferson

R. C. KAHLE, M. D.,
Instructor in Pathology and Bacteriology
101 W. Chestnut

HUGH G. JETER, S. B.,
Demonstrator in Bacteriology
101 W. Chestnut

G. H. HEYMAN, D. D. S.,
Instructor in Periodontia
Starks Building

A. O. DEWEESE, S. B. in Education,
Associate Professor of Physiology
101 W. Chestnut

IRENE GRAYBROOK, A. M.,
Assistant in Biology
520 State, New Albany

BESS BURTON MATHIS, S. B., S. M.,
Assistant in Chemistry
1810 Tyler Parkway

MARGARET G. JEFFERSON, S. B.,
Assistant in Chemistry
1715 Windsor Place

Adjunct and Clinical Staff.

H. B. TILESTON, M. D., D. D. S.,
Clinical Instructor in Operative Dentistry
 Starks Building

W. M. RANDALL, D. D. S.,
Superintendent of Clinic
 1035 S. Second

JOHN T. O'ROURKE, D. D. S.,
Examiner and Assistant Superintendent of Clinic
 129 E. Broadway

H. B. HOLMES, D. D. S.,
Clinical Instructor in Materia Medica and Therapeutics
 Starks Building

B. D. RIVERS, A. M., D. D. S.,
Clinical Instructor in Oral Hygiene
 Starks Building

F. W. ROUNDS, A. B., D. D. S.,
Clinical Instructor in Oral Surgery and Exodontia
 Starks Building

A. P. WILLIAMS, D. D. S.,
Clinical Instructor in Radiography
 Starks Building

E. H. HUBBUCH, D. D. S.,
Clinical Instructor in Crown and Bridge Prosthesis
 Starks Building

H. B. TILESTON, JR., D. D. S.,
Clinical Instructor in Orthodontia
 Starks Building

WM. E. GOEPPER, D. D. S.,
*Clinical Instructor in Prosthetic Technics and Crown
 and Bridge Prosthesis*
 1336 Bardstown Road

LEROY TILESTON, S. B., D. D. S.,
Clinical Instructor in Operative Dentistry
 Starks Building

E. C. HUME, D. D. S.,
Clinical Instructor in Oral Surgery
 Francis Building

H. H. BARKER, A. B., D. D. S.,
Supervisor of Clinic

129 E. Broadway

CHARLES A. FUNK, D. D. S.,
Demonstrator in Clinical Dentistry

Starks Building

BRUCE FUNK, D. D. S.,
Demonstrator in Clinical Dentistry

Starks Building

C. L. RICH, D. D. S.,
Demonstrator in Clinical Dentistry

Starks Building

GEORGE H. MEANS, D. D. S.,
Demonstrator in Clinical Dentistry

Cherokee Apartments

A. S. NICHOLSON, D. D. S.,
Demonstrator in Clinical Dentistry

Francis Building

CHARLES T. MATHIS,
Demonstrator in Clinical Dentistry

524 Twenty-eighth

WALTER GAMBOE, D. D. S.,
Instructor in Technics

2522 Griffith

FRANK B. HOWER, D. D. S.,
City Hospital Instructor in Dental Surgery

Louisville City Hospital

ELIZABETH G. ROGERS, A. B.,
Secretary to the Dean

129 E. Broadway

HELEN MANN,
Cashier in Clinic

1480 S. Eighteenth

MARY K. WILLETT,
Clerk in Clinic

Ouerbacker Court

RUTH K. STURGIS,
Librarian

1205 Everett

Standing Committees

Dental Department.

EXECUTIVE COMMITTEE

THE DEAN OF THE FACULTY

PROFESSOR RANDALL

PROFESSOR HOLMES

PROFESSOR GRAVES

PROFESSOR BROOKOVER

Committee on Admission

PROFESSOR DAVENPORT

PROFESSOR SIFF

PROFESSOR SHORTRIDGE

PROFESSOR HOMBERGER

ASSISTANT PROFESSOR DUSTIN

Committee on Catalogues and Publications

THE DEAN OF THE FACULTY

PROFESSOR RIVERS

Committee on Promotion

PROFESSOR RANDALL

PROFESSOR HAYS

PROFESSOR HUBBUCH

Committee on Library and Museum

PROFESSOR ROUNDS

ASSOCIATE PROFESSOR LEROY TILESTON

PROFESSOR O'ROURKE

Dental Department

EQUIPMENT

The building occupied by the Dental Department was constructed a few years ago especially for dental instruction, and so well was it planned at that time that but few changes have been necessary. Some alterations, however, have been made from time to time to provide for improvements in methods of teaching and changes in the curriculum.

The building is four stories in height including the basement. In the basement are the dental supply depots, the students' lounging room, a locker room, engine room and toilets.

The main floor is devoted almost entirely to the operatory and the practical prosthetic laboratory, which adjoins the clinic room. The latter is well lighted by large continuous windows covering the entire wall, and contains eighty modern chairs with fountain cuspidors and electric connections, and electric and steam sterilizers. To the rear and continuous with the main operatory is the Ed. M. Kettig Memorial Surgical Amphitheatre.

The Library and Museum occupy a large well-lighted room in the front of the building on the second floor. The Library contains over five hundred well-selected volumes and magazine files including the issues of all magazines published, and a large collection of interesting specimens. On this floor also are the main lecture rooms, two in number.

On the top floor are the prosthetic and operative technic laboratories, and the histological, chemical, pathological and bacteriological laboratories. This latter laboratory has just been fitted out with apparatus needful in teaching bacteriology, such as incubators, autoclave, refrigerator, water still, and fifty oil immersion microscopes.

THE DR. ED. M. KETTIG MEMORIAL SURGICAL AMPHITHEATRE

The Kentucky State Dental Association, the Alumni of the Dental Department, and the family of Dr. Kettig have erected in the college building a surgical amphitheatre as a memorial to the late Dr. Ed. M. Kettig, who died October 21, 1919, following a surgical operation.

Dr. Kettig was for many years a teacher in this College, first holding the chair of oral surgery and later becoming professor of prosthetic dentistry, which latter chair he held until a few years prior to his death. He was vice-president of the faculty.

The amphitheatre is located to the rear of the large clinic room and is directly connected with it.

The operating room, of ample size, has enameled walls and terrazzo floor and is lighted by north and east windows and a large skylight.

The seats are arranged in a steep tier giving a seating capacity of between fifty and sixty and affording a clear view to every occupant.

In addition to the operating room there are preparation and recovery and doctors' and nurses' rooms. An entrance from Brook street is so arranged as to permit of suitable cases being brought in from the City Hospital, which is only a short distance away.

The surgical amphitheatre is not only a handsome and fitting memorial to Dr. Kettig but it is a notable contribution to dental education, affording as it does facilities for teaching oral surgery which are unsurpassed.

REQUIREMENTS FOR ADMISSION

This department has been a member of the National Association of Dental College Faculties and of the American Institute of Dental Teachers since the organization of those bodies. It is governed and conducted in every respect as a high grade school and conforms to all the regulations of the Faculties and the Examiners Associations, and of the Dental Educational Council of America.

The requirements for entrance consist of graduation from an accredited high school or academy which requires for graduation not less than fifteen units of high school work obtained in a four-year course. No condition on the foregoing entrance requirements will be allowed.

In the case of an applicant who is not a graduate from a high school or academy, as defined above, the full equivalent of such education in each individual case must be established by examination and attested by the highest public educational officer of this state or his appointee. Students admitted by examination must not constitute more than ten per cent of the class.

Students with two full years credit from Class "A" Medical Schools, approved by the American Medical Association, may be admitted to the Sophomore Class. No special students will be accepted unless they are in possession of the entrance requirements specified above.

The foregoing regulations apply to all students, including those from foreign countries, regardless of where the applicant expects to practice his profession.

Applicants for admission must bring credentials in the form of a diploma or a properly authenticated certificate showing the number of units he has earned. These will be referred to the Committee on Admission of the University and afterwards passed upon by the State Dental Examiner, and if found satisfactory the applicant will be admitted without examination. The State Examiner charges a fee of five dollars for examination of credentials. This is charged but once.

Candidates for admission must be of good moral character and in a good state of health.

CLINIC

In Louisville, with the neighboring cities across the Ohio River, together with the numerous charitable institutions and large manufacturing located in the city, there is no lack of material for clinics. This College has been known for years for the excellence of the clinic. There is at all times an abundant supply of patients. Over twenty thousand cases were treated last year. It is the intention that this clinical practice shall be made as much like an actual dental practice as possible. The development of the ability to obtain and hold a practice, the observance of professional courtesy toward patients—essential to personal success—is regarded as equal in importance to the development of manipulative ability.

The clinic will be opened on September 1, thus giving opportunity to students who get in early to receive valuable practice and instruction.

RULES GOVERNING GRADES, EXAMINATIONS
AND REGISTRATION

1. The passing grade is 75 per cent.
2. A grade of 60 per cent to 74 per cent, inclusive, is a condition.
3. A grade below 60 per cent constitutes a failure.
4. A condition may be removed only at the next regular supplementary examination. These four rules apply to final examinations in full courses.
5. Supplementary rank examinations for removing of conditions by first, second and third year students shall be held only during the week prior to the opening of the school year. (In 1921, September 12 to 17).
6. No student shall be enrolled as a Senior who is not free from all conditions.
7. Students must inform themselves of exact dates of rank examinations. Any student who fails to appear for such an examination will be charged with a failure in the subject involved and must repeat the course, unless excused with the consent of the teacher in charge and by a majority vote of the Executive Committee. Failure to receive notice of the examination will not be considered an excuse for absence.
8. A failure may be removed only by a repetition of the full, regular course. Such work may be done in a summer school approved by the department in which the failure occurs.
9. A Senior student who fails to pass any mid-year examination shall be governed by the foregoing rules as to conditions and failures, except that he may be allowed another trial within ten days of the opening of the second semester. If he fails to pass on second trial he shall be barred from graduation with his class and must repeat the course.

A Senior who fails on a final examination at the end of the Senior year shall not be eligible for graduation with his class. He shall be entitled to a second trial within two weeks and, if he fails a second time, shall repeat the course as under rule 8.

10. The school year shall begin on the third Monday in September. Regular classes shall start on that day and students must report then for credit. Students who do not report for opening classes shall, except as hereinafter specified, be liable to loss of grade in proportion to the time lost, in the discretion of the teacher in charge. For example, a loss of one week's study in a twelve weeks course means liability to a handicap of $8\frac{1}{3}$ per cent.

11. REGISTRATION. Students are expected to register prior to the third Sunday in September. Under extraordinary circumstances, which in the opinion of the Dean renders earlier registration impossible, a student may register as late as ten days after the opening date. In case of serious personal illness, as attested by a licensed practicing physician, a student may register not later than twenty days following the advertised opening date, but in either case, as above, he shall, in the discretion of the teacher in charge of any course, be liable to loss of grade as under Rule 10 if his subsequent work does not prove satisfactory to that teacher.

12. Under no circumstances shall a student register later than provided in Rule 11, except for advanced standing. The Dental Educational Council of America has recently decreed that time credit on the four-year course in Dentistry may be given for one, two or more years credits from a Standard College, Normal School or University in addition to a full high school education. Applicants possessing such academic credits will present them to the Dean of the Dental Department for determination as to the time credit to be given. In each case the teacher in charge of a course for which the student may desire credit must file with the Dean a written statement of satisfaction that in every way the training of such a student in the subjects of the first year of the dental curriculum is equivalent to that received by the regular full four-year students in this School. In such exceptional cases a student with thirty hours college credit may be allowed to enter at the end of the first semester, and a student with sixty hours after the end of the second semester of the first year.

13. A student who has conditions or failures, or both, in courses amounting to more than forty per cent of the scheduled hours for the year, shall be dropped from his class.

14. A student may not be promoted if he has conditions or failures, or both, in courses amounting to more than twenty per cent of the scheduled hours for the year.

15. A student who fails to remove a condition or failure within twelve months from the time it was incurred, shall be automatically dropped from the school.

Requirements for Degree

The degree of Doctor of Dental Surgery is conferred by the University upon students recommended therefor by the Faculty of the College of Dentistry. Candidates are recommended: (a) who have attended the required courses of lectures and who have passed satisfactorily all required examinations in the subjects of study, the entire last year having been completed in this school; (b) who have completed the required clinical and laboratory work; (c) who in the judgment of the Faculty are of fit moral character and are 21 years of age; (d) who have discharged in full all financial obligations incident to their college course.

FEES

Matriculation, paid annually.....	\$ 5 00
Tuition.....	250 00
Diploma.....	5 00
Breakage deposit.....	10 00

The above includes all fees. There are no special laboratory charges.

No student is considered registered until his fees are paid.

Fees are due and payable upon admission. By special arrangement with the Administration Office fees may be divided into two payments, one half on admission and the balance by January 16th. No student is admitted to lectures and laboratories after these dates unless he has a receipt from the Administration Office of the University for his fees. Enforced absence from classes because of non-payment of fees is included in the final estimate of total attendance during the year.

No fees for tuition will be refunded except in cases of sickness. If on account of serious illness a student withdraws from the school before the end of a school year, a part of his tuition fee may be refunded, provided he secures from the Dean a statement of honorable standing, and from a physician a certificate that his health will not permit him to remain in attendance. No application for a refund will be considered unless made within thirty days after withdrawal from the school on account of sickness.

The breakage fee, which is required of every student before the beginning of his work in the Dental Department, is to cover breakage and injury in the laboratories and clinics. Deductions to cover losses are made from the deposits of individual students, when it can be determined by what individual students the breakage, loss of apparatus or defacement of buildings was caused; when it cannot be so determined, the amount assessed for the loss or injury is deducted pro rata from the deposits of all members of the class. Upon graduation or withdrawal the balance on hand is refunded.

All students are required to be in attendance within ten days after the opening of the session.

HOSPITAL INTERNESHIP

A dental section in the City Hospital has been established and provision made for a dental resident interne who is elected by the Board of Trustees of the University as a member of the Dental Department Faculty with the title of Dental Surgeon Teacher. The members of the Senior Class are appointed in sections to practice in the City Hospital and Public School Clinic under the supervision of the Interne.

The hospital training, with the opportunities afforded of seeing the great variety of cases treated in the wards and surgical clinics, furnishes valuable experience and lays a broad foundation for future successful practice.

SCHEDULE FOR THE COMBINED DEGREE IN DENTAL SCIENCES

A student who has satisfied the requirements for admission to the College of Arts and Sciences of the University of Louisville, and who has taken ten courses consisting of mathematics, one; English, one; foreign language, two; vertebrate anatomy, one; chemistry, two; biology, one; physics, one; and freehand drawing, one; or who presents the equivalent from a standard accredited college or university, may, with the approval of the Academic Council, enter upon his professional studies in the Dental Department of this University. Upon the satisfactory completion of his full four years' work in that school he shall receive the degree of S. B. in Dental Sciences from the College of Arts and Sciences. See General Catalogue, page 58.

Instruments and Text Books

Before a student is permitted to take up his work in the laboratories or in the infirmary he is required to supply himself with the necessary instruments and equipment.

Lists of instruments needed will be furnished by the instructors.

Students must purchase necessary text books, a full stock of which is carried by the University Book Store, First and Chestnut Streets.

Expenses

Each student will find it necessary to spend from \$600 to \$700 a year to cover the total cost of tuition, laboratory fees, books, instruments, living, and personal expenses. This amount will vary according to the economy practiced by the individual. The amount spent on instruments during the four-year course may be rightly charged to his office equipment, since the instruments will form a large part of the office equipment of the student after graduation.

Board

Good board, including room, may be had for from \$30 to \$50 a month; comfortably furnished rooms, including light and heat, at from \$12 to \$20 a month.

The Central Y. M. C. A. Building is located within two blocks of the college; besides offering a comfortable home at a reasonable price for the students, it gives them excellent advantages in its reading rooms, libraries, gymnasium, and swimming pool.

A list of boarding houses is kept in the college office, at Brook and Broadway, where assistance will be given students in securing boarding homes.

Co-Educational

Both men and women are admitted to the classes in the Dental Department.

Limitations

All statements made in this announcement relate exclusively to the year ending in June, 1922, and are applicable to all students without regard to date of matriculation. The school reserves the right to make any changes in the faculty, text books, equipment, and course of instruction that it may deem expedient.

The Faculty reserves the right to terminate a student's connection with the College at any time for what is deemed improper conduct, and under the circumstances no fees will be returned.

Mail

Students should have their mail directed in care of the University of Louisville, Dental Department, where it will be delivered three times a day.

Direction to Students

Students should promptly report, in person, at the Dental Building, Brook and Broadway Streets, for the purpose of registering. All general information will be given at the office.

The Dean or his private secretary will be in his office at the College at 8:30 o'clock every morning except Sunday.

For special information, address

UNIVERSITY OF LOUISVILLE DENTAL DEPARTMENT,
Office of the Dean, Brook and Broadway, Louisville, Kentucky.

To the Profession

In the department of dental anatomy and in the technic courses, a great number of teeth are required for the purpose of dissection and study.

Any teeth that practicing dentists may see fit to send will be gladly accepted by the demonstrator in this department and will be of great service to him. Contributions of this kind should be sent directly to the office at Brook and Broadway, where the charges will be paid.

THE LIBRARY AND MUSEUM

It is the policy of the school to make the Library and Museum a means of culture and an aid to research for the profession at large, and to this end the free use of the books and specimens is extended, under such conditions as insure their safety and preservation.

The college is a subscriber to the publications of the Dental Index Bureau, by means of which every article pertaining to dentistry that has ever been published in magazines or in book form, together with the name of the author, may be located.

Since the Library and Museum is thus dedicated to general educational purposes, the profession is urged to make it a repository for books, magazines and interesting specimens which they may have and would like to give or lend to the institution. All contributions will be duly acknowledged and suitably marked with the donor's name. Many such contributions have been made. The W. E. Grant collection of books, the library of the late W. E. Morrill and the H. B. Tileston library are notable examples. A handsome cabinet, containing a complete dentist's outfit of the old school, when hand instruments only were used, with handles of ivory, ebony, rosewood and pearl, was recently contributed by L. M. Doss, Oklahoma City, one of the Alumni. This is a very valuable gift and forms an important addition to the Museum.

COURSES OF INSTRUCTION

Four-Year Course

	FIRST SEMESTER		SECOND SEMESTER		TOTAL
	DIDACTIC	LABORATORY	DIDACTIC	LABORATORY	
English	32	....	32	....	64
Physics	32	48	....	....	80
Biology	32	64	....	....	96
Anatomy	32	144	32	80	288
Chemistry (Inorganic)	48	64	48	64	224
Prosthetic Technics	16	128	16	160	320
Dental Anatomy	16	112	....	....	128
Comparative Dental Anatomy					
Operative Technics .....	....	....	16	112	128
Technical Drawing .....	....	48	....	....	48
Hours a week .....	....	....	....	....	1376
	....	....	....	....	43

SECOND YEAR

	FIRST SEMESTER		SECOND SEMESTER		TOTAL
	DIDACTIC	LABORATORY	DIDACTIC	LABORATORY	
Chemistry (Org.-Physiological) ...	48	64	48	64	224
Anatomy .....	....	....	32	....	32
Physiology	16	64	16	64	160
Histology-Embryology	32	112	....	....	144
Bacteriology	32	96	....	....	128
Pathology .....	....	....	32	96	128
Prosthetic and C. & B. Technics	16	208	16	144	384
Operative Technics .....	....	....	32	144	176
Hours a week .....	....	....	....	....	1376
	....	....	....	....	43

THIRD YEAR

	FIRST SEMESTER		SECOND SEMESTER		TOTAL
	DIDACTIC	CLINICAL	DIDACTIC	CLINICAL	
Operative Dentistry	32	....	32	....	64
Dental Pathology	16	48	....	....	64
Mouth Hygiene .....	....	....	16	48	64
Prosthetic Dentistry	32	....	32	....	64
Crown and Bridge	16	....	16	....	32
Materia Medica	16	....	16	....	32
Metallurgy	32	....	....	....	32
Orthodontia .....	....	....	16	32	48
Anesthetics	16	32	....	....	48
Exodontia .....	....	....	16	32	48
Radiography	16	32	....	....	48
Clinical practice .....	....	352	....	384	736
Hours a week .....	....	....	....	....	1280
	....	....	....	....	40

FOURTH YEAR

	FIRST SEMESTER		SECOND SEMESTER		TOTAL
	DIDACTIC	CLINICAL	DIDACTIC	CLINICAL	
Operative Dentistry }	32	....	32	....	64
Dental Pathology }					
History, Practice, Ethics, Economics and Jurisprudence	16	....	16	....	32
Prosthetic Dentistry	32	....	32	....	64
Crown and Bridge	16	....	16	....	32
Dental Ceramics .....	....	....	....	16	16
Therapeutics	16	....	16	....	32
Orthodontia	16	....	16	32	64
Surgery-Physical Diagnosis	16	....	16	....	32
Oral Surgery	16	40	16	40	112
Seminar	32	....	32	....	64
Clinical Practice .....	....	488	....	440	928
Hours a week .....	....	....	....	....	1440
	....	....	....	....	45

SUMMARY

Total hours First Year	1376
Total hours Second Year	1376
Total hours Third Year	1280
Total hours Fourth Year	1440

BIOLOGY

PROFESSOR MIDDLETON

MISS GRAYBROOK

FIRST YEAR.

GENERAL BIOLOGY. In the lectures there is presented, in as comprehensive a manner as possible, a discussion of all the fundamental biological philosophies.

The laboratory work begins with the study of the unicellular forms, including the protozoa, yeast, and the bacteria. The lower metaphyta and metozoa are represented by the moulds, the mushrooms, chara, and hydra, in the order named, and the study includes their reproduction as well as their microscopic structure.

The structure, histology, and reproduction of higher plants are then demonstrated by the study of the fern and the sweet pea.

Next, the study of the vertebrate forms begins with the frog, including its anatomy in detail and the histology of all its tissues and the histology of mammalian tissues. The embryology of the frog is studied by the aid of serial sections. The study of the fish comes next and is followed by the anatomy and embryology of the fowl, which includes the preparation by the student of serial sections and their study. The course closes with the demonstration of the relation of the embryo to the parent in mammals and the demonstration of the Mendelian principles of heredity by the study of the behavior, structure and hybridization of the fruit fly (*Drosophila melanogaster*).

Lectures, 32 hours; laboratory, 64 hours.

PHYSICS

PROFESSOR RANDALL AND ASSISTANTS

FIRST YEAR

This work begins with physical measurements and then are taken up in order, pressure in liquids, pressure in air, molecular motions, force and motion, molecular forces, expansion coefficients, thermometry, work and mechanical energy, work and heat energy, the transference of heat, magnetism, static electricity, electricity in motion, effects of electrical currents, induced currents, and invisible radiations.

Didactic, 32 hours. Laboratory, 48 hours.

ENGLISH

PROFESSOR DUSTIN

FIRST YEAR

This course, which is required for the degree of Doctor of Dental Surgery, aims in a practical way to give a training in English adequate to the ordinary demands of the social, commercial,

and professional life of the dental student. Intensive training in analysis, in writing, and in speaking is provided to promote (1) clear thinking, (2) clear and correct expression of thought, and (3) appreciative reading.

In addition to the usual work in analysis and theme-writing, the student is each week required to present in class some subject vitally connected with his dental studies. This work is intended to discover any latent ability he may have for self-expression, and to assist him in correcting any inaccurate habits of speech that may hamper him. The class work is supplemented by conferences with the instructor, who has thus an opportunity to deal in a very intensive way with individual difficulties.

FOURTH YEAR

Seminar courses are arranged for the senior students as a part of the course in English. In these courses the students will be required to write papers from reading magazine articles and text books on the subject of Oral Surgery, Pathology, Operative Dentistry and Prosthetic Dentistry, which after having been passed upon by the teacher of English will be read before the class and discussed by selected men. These discussions must also pass the inspection of the teacher of English. Lectures and Seminar, 128 hours.

ANATOMY, HISTOLOGY AND EMBRYOLOGY

PROFESSOR BROOKOVER

PROFESSOR HUMPHREY

PROFESSOR RIVERS

MR. LAVENGOD

MR. POLING

FIRST YEAR

The course is planned to give the student a general knowledge of gross and microscopic anatomy of the human body as broad as the limits of the time assigned will permit. In this work the need of supplying knowledge of most worth in the study of physiology and pathology is kept in mind and emphasis is placed on information directly beneficial to the dentist.

Ample material is provided for gross dissection of the human body in quarters specially adapted for laboratory work. This work is under the constant supervision of instructors. Independent work along lines of interest to the dentist is encouraged. A loan collection of slides for microscopic study is provided and opportunity is offered the student of making preparations of tissues of peculiar interest to dentists.

I. GROSS ANATOMY. A course in human dissection in which the first few weeks is devoted to osteology with special attention to the bones of the head. Students draw and label the bones and pass a written examination on them. Then dissection of the cadaver by groups

of students not exceeding four takes place in the following order,—head, neck, back, arm, thorax, abdomen. There is an abundance of enlarged models of the organs of special sense and other parts. In addition there are numerous charts and a collection of cross sections of the adult human body. Also X-Ray plates of organs in normal position are available for study.

First year. Didactic, 64 hours; laboratory, 224 hours.

Second year. Didactic, 32 hours.

2. HISTOLOGY. Excepting some time devoted to general embryology of the germ layers and of the teeth, the course will be devoted to histology. The first part of the work is devoted to the structure of the cell and the elementary tissues. Afterwards such organs are studied as will be necessary to the proper understanding of physiology and pathology. Finally those structures of the mouth and alimentary canal that are of immediate concern to the dentist are taken up.

Second year, first semester. Didactic, 32 hours; laboratory, 96 hours.

3. DENTAL EMBRYOLOGY. These lectures are intended to cover the discussion of the evolution of the tissues from the blastoderm, tracing the sources from which the various tissues of the tooth come, as well as the development of the jaws. Under the head of Calcification is shown how enamel, dentin and cementum are formed as a product of specific cells. The eruption of the teeth is also taken up and the theories concerning eruption discussed. This subject forms an excellent foundation for all the branches of dentistry.

Third year, first semester. Didactic, 16 hours.

CHEMISTRY

PROFESSOR HOMBERGER

MR. SMITHSON

MISS MATHIS

MISS JEFFERSON, ASSISTANT

FIRST YEAR

1. GENERAL AND INORGANIC CHEMISTRY. This course is designed to give the student a general view of chemistry. The fundamental principles are emphasized. Also special consideration is given to the non-metallic and metallic elements, including their history, occurrence, preparation, properties and principal compounds. The course aims to give the student an appreciative understanding of the close relation of chemistry to modern life.

Laboratory, experimental lectures and recitations: 48 hours didactic, 64 hours laboratory work. First Semester.

2. DESCRIPTIVE CHEMISTRY. The second semester is devoted to a study of the metals and qualitative analysis. In the laboratory tests

are made by each student for the detection and separation of the elements and radicals studied in Courses 1 and 2. Analyses are made of simple solutions, and of those metals and alloys of practical interest to the dental student. 48 hours didactic; 64 hours laboratory work. Second semester.

3. **ORGANIC CHEMISTRY.** It is aimed to devote this course to the fundamental principles and more important compounds of organic chemistry. 48 hours didactic. 64 hours laboratory. First semester.

4. **PHYSIOLOGICAL CHEMISTRY.** The course gives a survey of carbohydrates, fats and proteins; the action of enzymes; the processes of digestion; the composition of the more important foods; the principles of metabolism; the analysis of the more important animal tissues and fluids. 48 hours didactic. 64 hours laboratory. Second Semester.

5. **METALLURGY.** This course includes demonstrations on metals and a study of the chemical properties and behavior of all metals used in dentistry. Various alloys of the base and precious metals are described and their uses in dentistry pointed out. In the course is considered the action of acids and alkalies; of fluids of the mouth on metals; discoloration of metals by the fluids of the mouth and other causes. 32 hours didactic during second semester.

Courses 1 and 2 are required of all first-year students.

Courses 3, 4 and 5 of all second-year students.

PROSTHETIC DENTISTRY

PROFESSOR W. M. RANDALL

ASSISTANTS—

FIRST YEAR

The didactic course consists of the study of the derivation, manufacture and composition of materials to be used in denture construction and general study of porcelain teeth, India rubber, vulcanizing, vulcanizers, celluloid and zylonite, moulding sands, die and counter-die metals, swaged and cast aluminum plates.

CROWN AND BRIDGE. (a) Preparation of abutments; detail study of construction of various types of telescope and dowel crowns, investing materials and soldering technic. Didactic 32 hours.

Laboratory instruction consists of taking impressions with dummy models, pouring casts, mounting casts, construction of base, making clasps, taking bite with face bow, swaging full upper aluminum base, making two vegetable bases with Anatomical Articulator, casting one aluminum base, swaging, soldering and finishing one upper brass base.

CROWN AND BRIDGE. (b) Construction of spaces and preparation of abutments on dentech for one tooth bridge, telescope crown abutment; construction of telescope crowns by two piece method; Richmond crowns by the use of plain flat back facings, assembled and soldered separately and then collectively; detail construction of four tooth posterior bridge, Steele and Goslee detachable facings. 288 hours.

SECOND YEAR

The didactic course consists of: Classification, study of uses and abuses of splints; reduction of fractures; technic of construction of "Kingsley's" and "Gunning" splints; classification of bridge work; indications, limitations, advantages and disadvantages of each; study of principles of construction of cast telescope crowns; ferrule and dowel crowns; ferrule, plate and dowel crowns; variation of root preparation; principles of grinding, articulating, backing, carving and swaging fourteen tooth fixed bridge with six or seven abutments; consideration of removable bridges and cast clasp attachments; general purposes and functions of orthodontic appliances. 32 hours.

LABORATORY. Consists of impressions and articulated construction of splints; preparation of abutment pieces of crown and bridge work; construction of cast telescope shell; abutment preparation and construction of one cast base dowel crown with Goslee or Steele detachable facing; assembling, antagonizing on anatomical articulator of six tooth bridge, including investing and soldering technic to finish; assembling, soldering and antagonizing three bridges in one fourteen-tooth fixed bridge for upper arch; impression and articulated technic for an all cast aluminum inter-dental splint. 352 hours.

THIRD YEAR

The didactic course consists of: The study of temporo mandibular articulation; mechanical hypothesis as a result of the anatomy of the face and jaws; classification of impression trays, impression methods; comparative study of plaster of Paris and other cast materials; taking the bite; mounting under construction as per anatomical articulation for full upper and lower dentures, including chemistry of plaster of Paris and vulcanization. 64 hours.

CLINICAL PRACTICE. Construction of various types of plate work, and removable dentures as such cases are presented in the clinic for relief. Six weeks of the session are devoted entirely to prosthetic practice.

FOURTH YEAR

The didactic course consists of the study by stereopticon lectures and special demonstrations and class room instruction of the principles of retention and their application, classification of cast and swaged bases, study of removable attachments through partial denture work; principles involved in technic in gold and continuous gum dentures; mechanical appliance for reduction of fractures; correction of defects in the palate; construction of artificial nose and ears; esthetics of prosthetic dentistry; hygienic care of artificial dentures. 64 hours. Clinical practice, 220 hours.

DENTAL ANATOMY

PROFESSOR W. M. RANDALL

ASSISTANTS

FIRST YEAR

DIDACTIC. Different formations and developments of the human teeth with special study of the points of difference of each tooth as compared to the other teeth of similar development. Comparative study of permanent and deciduous teeth is given in the operatory in sections of from four to six men. Study lessons are assigned for each lesson period. 16 hours.

LABORATORY. Drawings of various surfaces of the human teeth; carvings from ivory; modeling in clay; cutting longitudinal and transverse sections of extracted teeth; a complete upper and lower set of teeth moulded in celluloid in the rough and hand-carved to the finishing, articulated on anatomical articulator, used later in operative and prosthetic technic courses. 112 hours.

TECHNICAL DRAWING

PROFESSOR BRIGMAN

FIRST YEAR

The Technical Drawing that is required for the Freshman students is a specially arranged course of study and practice that is given under the direction of the Department of Mechanical Drawing.

The scope of the work endeavors to give a thorough knowledge of the nomenclature of drawing and to create the technical skill required of the artisan.

The work for the present is confined to freehand drawing entirely. The student begins the course with a comprehensive drill in the study and delineation of various types of lettering, followed by demonstrations and practice in the theory of orthographic or parallel projection, after which, by the use of plaster casts and objects, stress is placed upon the value of lines in pencil and ink sketching.

Having completed these fundamental principles the student is required to make complete sketches of the various bones of the head, teeth, and also of the instruments and equipment used in the profession. Special stress is laid upon the sketches of the jaw. Second semester. 48 hours.

PHYSIOLOGY

PROFESSOR HAYS

ASSISTANT DEWEESE

SECOND YEAR

LECTURES. Two are given each week throughout the session and are illustrated by diagrams, experiments and lantern demonstrations.

LABORATORY. This course consists of one period of three hours a week throughout the year, and is so arranged as best to illustrate

the various branches in physiology. Students work in groups of not more than four, assemble their apparatus and make their own preparations, under the direct supervision of the laboratory instructors. In order that a student may have the opportunity of verifying many facts for himself, special care is taken to make all the practical work illustrative of mammalian and human physiology. For this reason as many experiments as possible are performed upon mammals and upon the students themselves. The course comprises experiments upon the heart, the blood pressure and circulation, the pulse, respiration, nutrition, secretion. 96 hours.

DEMONSTRATIONS. These are given from time to time in addition to the lectures and laboratory work on such subjects as cannot be dealt with in a large class, especially if the technic of the experiment is too difficult for the student to perform.

Oral and written examinations are held as often as deemed necessary to ascertain the extent of the student's knowledge of physiology, and the results, together with his work in the laboratory, will determine his position in the class.

OPERATIVE DENTISTRY

PROFESSOR H. B. TILESTON

PROFESSOR W. M. RANDALL

DR. LEROY TILESTON

ASSISTANTS

FIRST YEAR

Didactic. Study of nomenclature of dental anatomy as applied to operative dentistry; classification of various instruments—steel; chemistry of steel; technic of tempering steel by color test; definition and uses of instrument gauge; classification and nomenclature of instruments; cavity classification and nomenclature. 16 hours.

Laboratory. Technic of using instrument gauge; construction from hexagonal brass blanks of fifteen instruments most frequently used in operative procedures, according to Black's system of instrumentation; six steel instruments from Stub steel blanks; preparation of sixteen cavities of various classifications; filling them with the various filling materials. All practical requirements in cavity and filling technic are made on dentech in the same position and with varied possible positions as with the patient in operating chair. 112 hours.

SECOND YEAR

Didactic. General study of classes of conditions for pulp treatment; classification, technic in treatment of most common forms of conditions found in vital teeth; study, classification and treatment, with technic of procedure in treatment, and medicines used in the most frequent types of conditions found in pulpless teeth; cavity nomenclature studied in detail; cavity classification; study of instruments; care of instruments; technic in their uses; filling materials; history of each; working qualities, indications for use, advantages and disadvantages of. 32 hours.

Laboratory. Arrangement of series of extracted teeth and treatment of them with medicines and same technic as would be used in practical cases. Extracted teeth are arranged so that X-ray films can be made of these various conditions before filling cavities and after root canals are filled. Preparation of cavities for inlays and large amalgam restorations after root canals are filled; moulding and carving fourteen upper celluloid teeth in blank; carving and finishing them on a key ring; preparation of twenty cavities of the various classes on the above celluloid teeth and on dentech constructed in freshman year; filling materials of various classes used in filling cavities. 176 hours.

THIRD YEAR

The course begins with a brief review of the histological structure of enamel and dentin, followed by a study of the affections and diseases of those tissues, atrophy, erosion, abrasion and caries. The pathology of dental caries is gone into thoroughly, theories both historical and modern being expounded, after which the prophylactic and therapeutic treatments of the disease are presented.

Hyper-sensitive dentin and its treatment, methods of maintaining dryness during operations, cavity and instrument nomenclature are all taken up in order and the course is concluded with an intimate study of preparation of cavities by classes with instrumentation for each step. The latter is made clear by the use of large models, the principles taught being carried out in practice in the clinic. 64 hours. Clinical practice, 960 hours.

FOURTH YEAR

DIDACTIC. The first part of the senior course is devoted to the study of filling materials, their physical properties and the indications governing their selection in special cases, after which the filling of the various classes of cavities with the different materials is taken up in detail.

Filling with gold, both non-cohesive and cohesive, and the inlay method, is presented by lectures and demonstrations. The very interesting history of amalgam is traced through the various stages of its evolution, culminating in the final experiments and determinations of Dr. Black. The best methods of employing this material are expounded. The use of tin and the various cements and silicious compounds completes the course which occupies the first semester. Two lectures each week are given, the teaching from the rostrum being followed out in practice in the clinic. 64 hours. Clinical practice, 736 hours.

ORAL HYGIENE

PROFESSOR RIVERS AND ASSISTANTS

THIRD YEAR

This subject has grown in importance in recent years as its relation to general health has been established. In the teaching of this course a standard text is followed, being supplemented by collateral reading from current dental literature. One lecture a week is given during the first semester of the junior year, with additional quizzes and tests. Besides the lectures and quizzes the student has regular oral hygiene requirements in his clinical practice, and the practical phase of this subject is brought strikingly to his attention. 16 hours; clinic 48 hours.

CROWN AND BRIDGE

PROFESSOR HUBBUCH

DR. GOEPFER AND ASSISTANTS

THIRD YEAR

INLAYS. Indications, classifications, principles and technic of construction; materials used and their composition; technic of investment and soldering.

CROWNS. History and development, porcelain, metal and combination, application of the casting process to crown work. Removable bridge with cast clasps. Lectures,, 32 hours, supplemented with special demonstrations.

FOURTH YEAR

Principles and technic of dental bridge work, history, development, esthetics and classification.

Fixed bridge work; various types of abutment pieces and dummies; construction; repair.

Removable bridge work; advantages and various attachments; construction; repair. Lectures, 48 hours; special demonstrations.

BACTERIOLOGY AND PATHOLOGY

PROFESSOR GRAVES

PROFESSOR TILESTON

PROFESSOR RIVERS

DR. KASPER

DR. KAHLE

MISS PAIGE

MR. JETER

SECOND YEAR

BACTERIOLOGY, IMMUNOLOGY AND SEROLOGY. Students are taught to differentiate by stained smears and cultures the more common pathogenic bacteria, and to know their relation to diseases. Particular attention is paid to organisms which incite lesions in and about the mouth. Special effort is made to impress upon the students the

necessity for proper asepsis in dental work, and effective methods of sterilization are thoroughly considered. The principles of immunology are also taken up as well as the more common serologic diagnostic procedures.

The laboratory has been thoroughly equipped with all necessary modern apparatus. Each student has the individual use of a high grade microscope with oil immersion lens. Instruction is by means of lectures, laboratory sessions, oral and practical quizzes.

PATHOLOGY. In this course particular emphasis is laid upon the principles of inflammation as well as retrograde changes, special infectious agents and tumors. The study of special pathology is limited chiefly to that of the mouth and adjoining parts and of such systemic lesions as have important relations to these principles. By reason of the new association with the Medical Department of the University, much gross and microscopical material is available and dental students have the opportunity to utilize the excellent pathological museum which has been established in connection with the department at the City Hospital. Loan collections of sections are prepared for each student. This instruction is supplemented by demonstrations of fresh and Kaiserling museum specimens from the Medical Department. Didactic, 64 hours; laboratory, 192 hours.

THIRD YEAR

The course in dental pathology as given to the Junior Class includes instruction in the fundamentals of pathology as applied to the teeth and adjacent tissues covering a study of periodontitis, pyorrhea alveolaris, alveolar abscess and diseases of the pulp, with the therapeutic remedies used in their treatment. Second semester; 16 hours.

FOURTH YEAR

Special Dental Pathology is taught to the Senior Class during the second semester and includes a study of the constructive and destructive diseases of the dental pulp with treatment directed to the conservation or destruction of the pulp according to indications, methods of removal of pulp, diseases of the periapical region and the treatment and filling of root canals. Didactic, 16 hours; clinical practice.

MATERIA MEDICA AND THERAPEUTICS

PROFESSOR HOLMES

THIRD YEAR

Definition of the essential medical terms and distinguishing among related terms having distinct meanings; a study of the constituents and preparations of drugs and medicines; classification and definitions of remedies; administration and application of medicines; study of depletives, including the indications for them, precautions to be observed and divisions of; defining and exhaustive study of the more important counter-irritants; classifying medicinal agents according to their similarity of action.

Narcotics and Hypnotics: Opium and its most important alkaloids; chloral hydrate; belladonna and atropine; aconite; alcohol; potassium bromide; anesthetics relative to Dentistry; cocaine and novocaine.

Antispasmodics: Preparations of camphor, campho-phenique.

Tonics: mode of action, divisions and general study of Cinchona and its alkaloids; preparations of iron and tincture; sub-nitrate of bismuth and the mineral acids.

Astringents and Styptics: Divisions; mode of action; precautions to be observed; contra-indications, nutgalls, tannic and gallic acid; creosote; silver nitrate, its indications, various strengths and antidotes. 32 hours.

FOURTH YEAR

Stimulants: Definition; mode of action; uses internally or topically; stomachics and carminatives. The essential and fixed oils; medical properties and therapeutic and dental uses. Nitrite of amyl; indications, precautions and dosage. Nux vomica; its alkaloids. Digitalis; its principles and offices. Differentiation of antiseptics, germicides, disinfectants, and deodorants.

Boric acid and its solution; phenol, its various strengths, uses and antidotes; arsenic trioxid, history of medical and dental uses.

THERAPEUTICS. Classifications: empirical, rational; therapeutics as applied to sensitive dentine, drug aspect; therapeutics as regards pulp capping, drug aspect; removal of pulps and subsequent treatment; therapeutics of non-septic pericementitis, drug aspect; therapeutics of putrescent pulps; abscesses, divisions of acute, chronic, with diagnosis, management and treatment; therapeutics of modern root canal work; prevention and management of discolored teeth; compounds of mercury; salivation; ptyalism, causes, indications and treatment; lead acetate, medical properties, toxic symptoms, treatment of poisoning; study of the various divisions of pharmaceutical preparations; incompatibilities of drug preparation; prescription writing. 32 hours.

ORTHODONTICS

PROFESSOR HARRY TILESTON
AND ASSISTANTS

THIRD YEAR

Realizing the importance of orthodontic treatment, not only from an esthetic point of view but as a prophylactic measure affecting both oral and general health, particular attention is given to the early recognition and prevention of mal-occlusion and the principles and application of the most approved appliances for its correction. Much harm has been done through lack of knowledge of this most important

subject. It is therefore the aim to give a thorough and comprehensive course of instruction in the fundamentals of orthodontics, both theoretical and practical.

To this end the course consists of the following lectures, technical and clinical work.

SOPHOMORES. Plaster and soldering technics, taken with prosthetic technics, first semester.

JUNIORS. One lecture a week for 16 weeks. Clinic during the second semester.

LECTURES. Literature of orthodontics; mechanism of the eruption of the teeth; ethical types; evolution of the profile; general outline of anomalies; etiology; relation of the nose and throat; diagnosis and classification; international nomenclature; alveolis and pericementum; tissue changes during tooth movement; technical lectures on impressions and models; plain bands and attachments; appliances and their combinations and retention.

FOURTH YEAR

LECTURES. Technics of the past; recent tendencies of advance; preliminary considerations in treatment; records (models, photographs, facial casts, charts, etc.,) etiology; classification; facial deformities; methods of treatment (historical); general outline of modern methods; principles of anchorage; principles of retention; treatment of irregularities in detail; orthodontics and general practice; general topics (fees, ethical questions and management of patients); contributions to science; fractures of maxillae and mandible; clinical lectures, quizzes, technical requirements, models, records, plain bands with variations and adjustment of appliances. 32 hours.

GENERAL AND CLINICAL SURGERY

PROFESSOR HENDON AND ASSISTANTS

THIRD YEAR

The principles of surgery and surgical pathology are taught, for the most part, in the second year preparatory to the more advanced work.

The necessary laboratory work in surgical pathology is done in conjunction with the department of pathology.

A brief course is given during the second year in applied anatomy, minor surgery and surgical dressings.

Operative and minor surgery and bandaging are taught the Junior students, as well as careful instruction in the surgical anatomy of the parts and in the management of instruments, the proper methods of operating, and surgical dressings. A complete course is given in fractures, general and oral, and special consideration is given to the practical teaching of the proper application of bandages of various kinds. 16 hours.

FOURTH YEAR

General review of principles embracing injuries and surgical diseases of the mouth, jaw, face and associate parts, such as surgical treatment for fissures of the lip and the vault of the mouth; diseases of the maxillary sinus; mechanical and surgical treatment of ankylosis of the jaws; treatment of dislocation of the lower jaw; fractures of the jawbone and bones of the face; classification and diagnosis of tumors and their treatment; and diseases of the salivary glands and floor of the mouth and tongue.

A special series of lectures is given on the various forms and stages of syphilis, malformation of teeth due to syphilis of the jaw, the various medical tests for syphilis and other related subjects.

The clinical work of the student is well planned to give him the best opportunity to watch the examination of the patient by the chief or his assistant and to follow the case throughout its course. He is taught how to obtain a concise and complete history and to make all necessary examinations by which the surgeon arrives at a correct diagnosis, employing all the known methods of precision. Lectures. 32 hours.

ORAL SURGERY

PROFESSOR ROUNDS

THIRD YEAR

ASSOCIATE PROFESSOR E. C. HUME

Exodontia: history; Amamentarium; anatomical landmarks; indications and contra-indications for extractions; examination of mouth and teeth; technic of operations; accidents; treatment after extraction; hemorrhage.

Local Anesthesia: History; modern local anesthetics and their application; the armamentarium; preparation of the patient; dangers of, indications for, and accidents following local anesthetics; anatomical considerations; technic of infiltration and conductive methods. Diagnosis and case histories. 96 hours.

FOURTH YEAR

The Evolution of General Surgical Anesthesia: State of patient; nature of operation; choice of anesthetic; prolonged dental operations; circumstances of administration; inspection and examination of patients; general anesthetic agents; local and regional anesthetics; dangers of anesthesia; ether, chloroform, nitrous oxid; nitrous oxid and oxygen and somnoform for anesthesia and analgesia.

Surgical Bacteriology: Inflammation; suppuration; wounds; hemorrhage; necrosis; caries of bones; disease of the maxillary sinus; resection of roots; tetanus; ankylosis; arthritis; facial neuralgia; fractures; dislocations; extraction of teeth; malposition of third molars; impacted teeth; cleft palate and harelip; affections of the lips; tongue and mouth; tumors, odontomes; ranula, cysts; aneurisms. Diagnosis and case histories. 112 hours.

RADIOGRAPHY

PROFESSOR O'ROURKE AND ASSISTANTS

THIRD YEAR

ELEMENTARY RADIOGRAPHY. The nature of the X-ray and its discovery; high-tension electric currents, magnetism, electro-magnetic induction; X-ray machines; induction coil; interrupterless transformer. X-ray tubes and X-rays.

DENTAL RADIOGRAPHY. Requisites of the dental X-ray laboratory; the uses of radiographs in dentistry; technic of dental and oral radiography; development of plates and films; the interpretation of dental and oral radiographs; dangers of the X-rays and methods of protection.

Students serve their turn in alphabetical order in practical instruction in this subject in the X-ray room. Didactic. 16 hours.

DENTAL CERAMICS

PROFESSOR RANDALL

FOURTH YEAR

Didactic: history and development of porcelain art; composition, characteristics and manipulation of porcelain compounds; sources of heat employed; uses and care of furnaces; description and demonstration of all the more important methods of technic of porcelain inlays; porcelain crowns and bridges; continuous gum dentures. 6 hours.

Laboratory: cavity preparation; burnishing matrices and baking low fusing inlays; preparation of abutments and baking porcelain jacket crowns. 10 hours.

PRACTICE, HISTORY AND ETHICS

PROFESSOR EBLE

FOURTH YEAR

PRACTICE. The lectures include a general consideration of essentials entering into the establishment and conduct of practices—election of a location, equipment of office, its appointment and arrangement, sanitation and light, the dentist himself, reception and handling of patients and other topics. The course also includes the business side of dentistry. 10 hours. Text—Hambly and Clapp.

HISTORY. Because of the cultural value to the student and practitioner of a knowledge of the history of dentistry, the course is arranged to cover first the sources of information relative to the earliest attempts to treat dental disease and to supply substitutes for lost teeth, tracing the progress made from the time of the ancient Chinese, Egyptians and Grecians with their crude productions, through the more refined methods of the Etruscans and Romans, the Arabians and Persians up to 1200 A. D. Dentistry during the Dark Ages is then reviewed, and

the effect of the Renaissance upon its progress and practice. Customs among primitive races today are touched on as well as a review of the lives and contributions of men who have been conspicuous in the evolution of dentistry from the time of Pierre Fauchard, including other French, English and American dentists. 8 hours. Texts-Guerinni, Cigrand, Koch.

ETHICS. The definition of Ethics includes duty to God and to man. The course treats of the relationship of the dentist to his patients, to his fellow practitioners and to the community, and of his personal character and conduct. The lectures also touch upon the questions of advertising, charitable service and fees. There is also discussion of ethical problems arising in the course of practice. 6 hours.

DENTAL JURISPRUDENCE

PROFESSOR DOUGHERTY

FOURTH YEAR

DENTAL JURISPRUDENCE. The course of lectures in this branch will cover the subjects of dental witnesses, rights and liabilities of dental practitioners, including the law of crimes, negligence and contracts, as applied to the practice of the profession, together with a discussion of the history of dental legislation in general and of the statutes regulating the practice of dentistry.

The aim will be to furnish a correct idea of the general principles of the law as applied to the practice of dentistry, and to present the subject with a view to making it of practical worth. 8 hours.

LIST OF STUDENTS

FRESHMAN CLASS

*Beddow, Robert.....	Kentucky
Berkshire, Gilbert K.....	Indiana
*Berlin, Clarence.....	North Dakota
Birch, William H. L.....	Illinois
Bryant, Earl R.....	Kentucky
*Burrows, Hiram W.....	Texas
Church, Howard.....	West Virginia
*Cole, Walter A.....	Kentucky
*Conklin, Claud L.....	North Dakota
Cook, James G.....	Kentucky
Coomer, Orville B.....	Kentucky
Cunningham, Paul R.....	Kentucky
Curry, Everett E.....	Kentucky
Draper, C. D.....	Kentucky
Duryea, Stanley.....	Connecticut
Essig, Jacon Irwin.....	Kentucky
Flanary, Milton.....	Kentucky
Fontaine, E. Lamar.....	Kentucky
*Fulkerson, Hugh.....	Illinois
Greer, James.....	Tennessee
Hampton, Hobson.....	Kentucky
Harris, Iva E.....	Kentucky
*Hart, George G.....	Illinois
*Hass, L. V.....	Missouri
Herrman, Harold E.....	Indiana
Homes, Anthony H.....	New York
Hopkins, William A.....	Massachusetts
Hutcherson, Bernard.....	Kentucky
Johnson, J. F.....	Tennessee
Johnston, L. S.....	Kentucky
Johnston, William F.....	Illinois
*Kagawa, K.....	Hawaii
Keyser, George.....	West Virginia
Kinnett, Leon.....	Kentucky
Kirkpatrick, William B.....	Kentucky
*Linkus, Joseph.....	Lithuania
Massey, Hobart A.....	Tennessee
Messer, Roscoe H.....	Kentucky
Mitchell, Charles G.....	Indiana
McClurg, Ernest.....	Iowa
Oakley, Fred.....	Kentucky
Pankey, Lindsey.....	Illinois
Pankiewicz, G. B.....	Poland
Parrott, Leslie M.....	Kentucky
Redmon, Porter C.....	Tennessee

*Not in attendance.

Rivers, Walter W., Jr.	Alabama
Robinovitz, Sidney	Kentucky
Sharp, Shelton B.	Kentucky
Slegelmilch, A. J.	Indiana
Spitznogle, W. O.	West Virginia
*Stacy, R. D.	Mississippi
*Stambaugh, W. L.	Ohio
Stepp, Curtis	West Virginia
Todd, Russell	Kentucky
Van Wyk, Albert	Holland
Willis, Victor	Kentucky
Woolfolk, A. E.	Kentucky
*Wurmser, Adolf	Kentucky

SOPHOMORE CLASS

Adams, Wiley J.	Kentucky
Atkins, W. R.	Kentucky
Baker, Guy S.	Indiana
Bell, F. E.	Kentucky
Breeding, F. C.	Tennessee
Butler, Stephen	Kentucky
Cartee, Horace	Kentucky
Cauble, Thomas W.	Indiana
Cloud, C. C.	Tennessee
Connell, F. M.	Iowa
Creamer, Robert	Indiana
Crosier, Harold	Kentucky
Davis, James G.	Indiana
Evans, J. Proctor	Kentucky
*Harris, S. W.	Kentucky
Howard, Leon	Kentucky
Jones, Frank	Indiana
Justice, Roscoe	Kentucky
Keeney, Bert L.	Kentucky
Kogen, B. I.	Illinois
Luten, J. R., Jr.	Kentucky
Martin, Hobart V.	Kentucky
Moorhatch, Luther	Persia
Obrey, Lawrence J.	Massachusetts
Overstreet, Robert	Mississippi
Rice, Cesco	West Virginia
Roberts, Phil F.	Kentucky
Schlegel, Edw. J.	Indiana
Scholl, Theodore	Indiana
Standard, Wallace B.	Kentucky
Staton, Max	Indiana
Stambaugh, C. R.	Kentucky

*Not in attendance.

JUNIOR YEAR

Barnett, Samuel.....	New York
Becker, Lucian.....	Indiana
Comstock, Orville.....	Kentucky
Dunbar, Sidney L.....	Kentucky
Gilkison, L. W., Jr.....	West Virginia
Gluck, Jacob.....	New York
Goldberg, Aaron.....	Kentucky
Hocker, Chas. R.....	Pennsylvania
Houze, C. D.....	Indiana
Hughes, J. R.....	Kentucky
Kemper, Warder.....	Indiana
Kidd, Carl T.....	Kentucky
Lacaillade, Hector.....	Massachusetts
Lacaillade, Harold.....	Massachusetts
Miller, Lafayette G.....	Kentucky
Newlon, Merle C.....	Indiana
Peay, Witherington G.....	Arkansas
Pennington, Tom C.....	Kentucky
*Schaffner, N. H.....	Illinois
Schreiber, Fred C.....	Connecticut
Speer, Harold.....	Kentucky
Sullivan, M.L.....	Massachusetts
Voyles, Elvin.....	Indiana
Ward, William E.....	Ohio

SENIOR CLASS

Atherton, Noble C.....	Kentucky
Brooks, J. H.....	Tennessee
Brooks, J. M.....	Tennessee
Butler, Donald C.....	Illinois
Campbell, O. C.....	West Virginia
Chambers, Shirley.....	Tennessee
Ellington, A. F.....	Kentucky
Finley, J. R.....	Ohio
Gregory, Tom.....	Kentucky
Gurley, W. B.....	Texas
Leslie, Robt. G.....	Kentucky
Mouser, Chas. F.....	Kentucky
Nolet, A. A.....	Massachusetts
Nolet, L. F.....	Massachusetts
Oakley, O. M.....	Kentucky
Parks, Sam.....	Texas
Raley, W. D.....	Kentucky
Richardson, N. R.....	Kentucky
Schroeder, Paul.....	Illinois
Walter, G. E.....	Indiana
Wayne, E. C.....	Minnesota

*Not in attendance.

UNIVERSITY OF ILLINOIS-URBANA



3 0112 105812538